

Egg Yolk Emulsion 50% (iS47020)

Sterile concentrated Egg Yolk Emulsion for use in microbial culture media preparation.

Industry: Microbial cultivation

Principles & Uses

Egg Yolk Emulsion, a stable blend, serves as a valuable component in culture media. Its application aids in the identification of *Clostridium*, *Bacillus*, and *Staphylococcus* species through the assessment of their lipase and lecithinase activities.

To effectively utilize this emulsion, it should be gently brought to room temperature from refrigeration and thoroughly mixed to ensure a uniform consistency. Any tendency for the emulsion to form layers or small lumps due to refrigeration is eliminated with proper mixing.

Composition (gr/L)

Egg Yolk 50%, Sterile saline 50%.

Preparation Instructions

Warm the refrigerated Egg Yolk Emulsion to 45-50 °C and aseptically add 50 ml to 950 ml of sterile, molten culture medium. Mix well and pour into sterile petri plates.

Cultural Response

Egg Yolk Emulsion used as a supplement in MYP Agar.

Organism (ATCC*)	Recovery	Lecithinase reaction
<i>Bacillus cereus</i> (11778)	Good	+
<i>Bacillus subtilis</i> (6633)	Good	-

*ATCC is a registered trade mark of the American Type Culture Collection.



Egg Yolk Emulsion is contained in the bottle on the left and is utilized as a supplement in MYP agar. *Staphylococcus aureus* culture is represented in the middle, while *Bacillus cereus* culture is on the right.

Storage

Keep the container at 2 - 8 °C.